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AN - 2004-217979 [21]
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AP - JP20020112223 20020415

CPY - MITU

DC - A17 A84 A97 P73

FS - CPI;GMPI

IC . B32B27/32; C08J9/06; C08L23/08

MC - A02-A06E A04-G01B A04-G06A A07-A02 A08-A06 A08-B01 A08-R07 A12-S04A2

PA - (MITU) MITSUBISHI KASEI VINYL KK

PN - JP2003306568 A 20031031 DW200421 C08J9/06 008pp

PR - JP20020112223 20020415

XA - C2004-086815

XIC - B32B-027/32; C08J-009/06; C08L-023/08

XP - N2004-172496

AB - JP2003306568 NOVELTY - Polyolefin type resin composition contains (in weight parts (wt.pts)) (a) ethylene- alpha -olefin copolymers (100-70) obtained using metallocene catalyst, (b) olefin-type elastomers (0-30), and (c) wood meal (5-70) having average particle diameter of 200-10000, foaming agent (0.5-10) and antioxidant (0.1-10). The amount of (c) component is calculated with respect to 100 wt.pts of total amount of (a) and (b) components.

DETAILED DESCRIPTION - Polyolefin type resin composition contains (in weight parts (wt.pts)) (a) ethylene-alpha -olefin copolymers (100-70), (b) olefin-type elastomers (0-30), and (c) wood meal having average particle diameter of 200-10000, foaming agent (0.5-10) and antioxidant (0.1-10). 5-70 wt.pts of (c) component is contained with respect to 100 wt.pts of total amount of (a) and (b) components. The (a) component, which is a copolymer of ethylene and 3-12C alpha -olefin is polymerized and obtained by using metallocene catalyst. The (a) component has density of 0.86-0.92 g/cm3, melt flow rate of 0.5-40 g/10 minute and ratio (Mw/Mn) of weight average molecular weight (Mw)

and number average molecular weight (Mn) of 1.5-5. INDEPENDENT CLAIMS are also included for the following:

- (1) foaming sheet; .

- (2) laminated object; and

- (3) notice-plate surface material containing the laminated object.

 USE - In foaming sheet for laminated object of notice-plate surface material (claimed). The foaming sheet is also used as interior material of building.

 ADVANTAGE - The molded product has excellent surface property (i.e. non-sticky surface property and traces of pin hole are not conspicuous), mold-ability and excellent physical properties (e.g. tension and design properties) during molding process.

- (Dwg.0/0)

IW - POLYOLEFIN RESIN COMPOSITION FOAM SHEET LAMINATE OBJECT NOTICE PLATE SURFACE MATERIAL CONTAIN PRESET AMOUNT ETHYLENE ALPHA OLEFIN

COPOLYMER

OLEFIN ELASTOMER WOOD MEAL FOAM AGENT ANTIOXIDANT

IKW - POLYOLEFIN RESIN COMPOSITION FOAM SHEET LAMINATE OBJECT NOTICE PLATE SURFACE MATERIAL CONTAIN PRESET AMOUNT ETHYLENE ALPHA OLEFIN

COPOLYMER

OLEFIN ELASTOMER WOOD MEAL FOAM AGENT ANTIOXIDANT

NC -001

OPD - 2002-04-15

ORD - 2003-10-31

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- TI Polyolefin resin composition for use in foaming sheet for laminated object of notice-plate surface material, contains preset amount of ethylene-alpha-olefin copolymers, olefin-elastomers, wood meal, foaming agent and antioxidant
- A01 [001] 2004; G0033-R G0022 D01 D02 D51 D53; H0000; H0011-R; H0124-R; S9999 S1309-R; P1150
 - [002] 2004; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83; H0022 H0011; H0124-R; S9999 S1309-R; P1150; P1285; P1296
 - [003] 2004; ND04; NU999 N6086; Q9999 Q7818-R; Q9999 Q6826-R; B9999 B5276-R; B9999 B3623 B3554; B9999 B3612 B3554; K9745-R; K9449
 - [004] 2004; G3429 D01; A999 A237; S9999 S1456-R; B9999 B5209 B5185 B4740
 - [005] 2004; A999 A260-R
 - [006] 2004; A999 A497 A486
- A02 [001] 2004; G0033-R G0022 D01 D02 D51 D53 D58 D83 D84 D85 D86 D87 D88 D89 D90 D91 D92; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82; H0022 H0011; S9999 S1309-R; P1150
 - -[002] 2004; ND04; N9999 N6086; Q9999 Q7818-R; Q9999 Q6826-R; B9999 B5276-R; B9999 B3623 B3554; B9999 B3612 B3554; K9745-R; K9449
 - [003] 2004; B9999 B3601 B3554; B9999 B5107-R B4977 B4740; B9999 B4831-R B4740; B9999 B5243-R B4740
 - [004] 2004; D62-R D61 D68 Tr-R; C999 C033 C000; C999 C293